

June 5, 2015

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

None

The following will be implemented the week of June 8, 2015:

RFC #331 - Modify the OPC cleanup routine to remove various datasets from NCOSRV and from the Compute Farm/IDP that were not being cleaned up properly. To be implemented on June 8 at 1130Z. (OPC)

RFC #332 – Wrote a new script “check_for_other_center.pl” to monitor WPC, NHC, and HFO’s surface analysis launches. The script will run from a Compute Farm crontab and will look for new launches. When it detects one, it’ll split up the vgf using the updated “split_up_vgf.pl” script, then send them to AWIPS2. To be implemented on June 8 at 1200Z. (OPC)

RFC #333 - Remove all data sources from NMAP2 that are not updating, excluding episodic and climo data sets. To be implemented on June 8 at 1300Z. (OPC)

RFC #334 - Add NCOM SST and Salinity image loops to the Vibrio Doubling Time web page for Long Island Sound. To be implemented on June 8 at 1300Z. (OPC)

RFC #335 – Numerous satellite changes for OPC, WPC, and NESDIS/SAB. Includes changing the Passive Microwave imagery feed from NASA SPoRT from NRL to GPM and deleting the old imgtyp table entries to stop conflicting with the new feed; adding new products Layered Precipitable Water (gridded), Ozone Retrieval products (gridded), Convective products for Super Rapid Scan Operations (SRSO), and MIMIC_TPW; adding luts files to the enhancements list in N-AWIPS that don’t currently show up; adding an updated SFR restore file,

and modifying the imgtyp.tbl to reflect new satellite sectors and first Himawari imagery. To be implemented on June 8 at 1300Z. (OPC)

RFC #336 - Adding NCOM SST and Salinity image loops to the Vibrio Doubling Time web page for Puget Sound. To be implemented on June 8 at 1400Z. (OPC)

RFC #337 - Implementing a new process that retrieves the NCDC climate division data into CPC's operations. Output is used for verification and to drive seasonal forecast tools. This process was one that had not been ported to work on RHEL6 last month but now works on RHEL6. To be implemented on June 8 at 1800Z. (CPC)

RFC #338 - Change the file extension for CMCE and CMCEBC grib files to grb2 as they are now grib2 instead of grib1. To be implemented on June 8 at 2000Z. (CPC)

RFC #339 - Modify the code that pulls Global Environmental Multiscale (GEM) model regional data from CMC site (download additional variables), and modify mod_res.tbl per new variables. Requested by operational forecasters in WPC. To be implemented on June 9 at 0000Z. (WPC)

The following NCO RFC(s) will be implemented the week of June 8, 2015 and directly affect the local Centers:

RFC #980 – GFDL v13.0.0 - Updated GFDL hurricane model which includes: 1. using improved initialization of the moisture field (r); 2. using the improved moisture specification (mentioned above) fixed an issue with forecasts for weaker storms, such that we are now reintroducing artificial vortex specification for all storms (e.g., TD and weak TS) with the exception of “nameless”, i.e. “Invest”, systems; and 3. using a more correct specification of ocean currents in the surface flux computation. To be implemented on June 9 at 1200Z.

RFC #981 – HWRF v9.0.0 - Major upgrade to the HWRF which is now entirely in python. The 2015 HWRF runs up to 7 storms all year long, providing forecast guidance for all global tropical cyclones including in the Western North Pacific, Southern Pacific, North and South Indian Oceans. The upgrade includes an increased resolution among other changes. Tentatively scheduled for implementation on June 9 at 1200Z.

RFC #986 – ESTOFS_PAC v1.0.3 – Add WMO header to the output and update the grib2 header so the Process ID identifies the Pacific Domain. Output is to be sent to the SBN, NOAAPORT, and NOMADS. To be implemented on June 9 at 1200Z.

RFC #991 – Grant OPC access to all Observation and Products data under the IDP Common Data. To be implemented on June 9 at 1400Z.

RFC #992 – Remove ssh access for OPC, WPC, and CPC to WCOSS. To be implemented on June 9 at 1400Z.

RFC #994 - Decommission OPC Compute Farm RHEL5 machines. Implementation starts on June 10 at 1400Z and should be completed by June 17 at 2000Z.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.